

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 February 2001 (01.02.2001)

PCT

(10) International Publication Number
WO 01/07250 A1

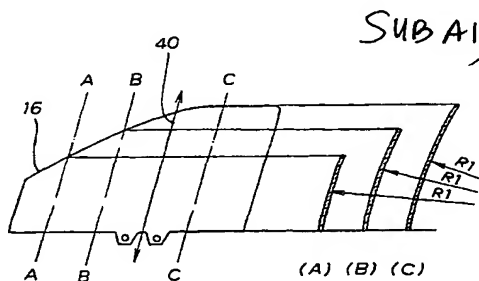
- (51) International Patent Classification⁷: **B32B 17/10**, (74) Agent: SHIMODA, Yo-ichiro; Meisan Tameike Building, 1-12, Akasaka 1-chome, Minato-ku, Tokyo 107-0052 (JP).
B60J 1/17
- (21) International Application Number: PCT/JP00/03608 (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 2 June 2000 (02.06.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 11/209956 23 July 1999 (23.07.1999) JP (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (for all designated States except US): NIPPON SHEET GLASS CO., LTD. [JP/JP]; 5-11, Dosho-machi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).
(72) Inventor; and
(75) Inventor/Applicant (for US only): YOSHIKAWA, Hideo [JP/JP]; Nippon Sheet Glass Co., Ltd., 5-11, Dosho-machi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).

Published:

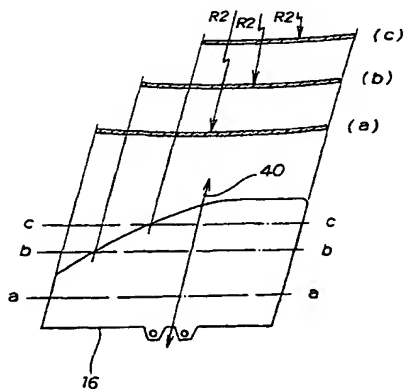
— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VEHICLE WINDOW PANE AND VEHICLE DOOR STRUCTURE INCORPORATING THE SAME



(57) Abstract: Vehicle window pane (16) has an arcuately curved vertical section having a single or same radius of curvature (R1) at every position of the pane and a curved lateral section having a single radius of curvature (R2) at every position of the pane. The single radius of curvature (R1) in the curved vertical section and the single radius of curvature (R2) in the curved lateral section are chosen to differ from each other. The vehicle window pane (16) thus shaped constitutes a bidirectionally curved pane, which is neither a spherically curved pane (because the radii of curvature in the vertical and lateral sections are not equal to each other) nor a cylindrically curved pane (because both of the radii of curvature in the vertical and lateral sections are not infinite). With this arrangement, the vehicle window pane can significantly improve an aesthetic appeal of a motor vehicle employing the window pane.



WO 01/07250 A1